

**BLACK & VEATCH****PRELIMINARY  
BORING LOG**

BORING NO. TC2-W

SHEET 1 OF 4

CLIENT South Florida Water Management District				PROJECT EAA Reservoir A-1				PROJECT NO. 140297.0213				
PROJECT LOCATION Everglades, Florida				COORDINATES N 774079.1		GROUND ELEVATION (DATUM) E 761396.3		TOTAL DEPTH 100.0 (ft)		DATE START 02/10/2005		
SURFACE CONDITIONS Stripped Caprock								DATE FINISHED 02/11/2005				
SAMPLING				LOGGED BY Norm Holst				CHECKED BY				
APPROVED BY												
SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
2.5	1	5.5'	2.1'	0.7'	38	13	0				Fill and residual muck	Cored caprock
							2				LIMESTONE; light brownish gray to pale brown, fine grained, shelly, vuggy, dense, hard and strong to soft, weak and porous	
SPT	1	4	36	15	50+	1.2'	6				Gravelly SAND; very light to pale brown, very dense, wet, angular, calcitic, fine to medium grained, trace shells	All calcitic material is at least in part shell fragments.
SPT	2	4	16	50	50+	0.8'	8				Silty GRAVEL; white, medium dense, wet, angular, calcitic and Gravelly SAND as above	
SPT	3	13	4	15	19	1.1'	10				Silty SAND; pale brown, medium dense, fine to medium grained, wet, angular, calcitic, some fine angular gravel	C03 = 78.6%
SPT	4	4	18	50/5	50+	1.1'	12				Silty SAND becomes very dense	
							14					
							16					
							18					
SPT	5	10	8	36	44	0.9'	20				Silty SAND becomes dense	
							22					
							24				No recovery; probably LIMESTONE	Spoon bouncing drill rattling slow drilling
							26					
							28					
SPT	7	16	21	17	38	0.9'	30				SAND; pale greenish gray, medium dense, wet, fine grained, quartzose, some fine calcitic gravel, trace	Caloosahatchee Formation

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SHEET 2 OF 4

CLIENT South Florida Water Management District				PROJECT EAA Reservoir A-1				PROJECT NO. 140297.0213				
PROJECT LOCATION Everglades, Florida				COORDINATES N 774079.1		GROUND ELEVATION (DATUM) E 761396.3		TOTAL DEPTH 100.0 (ft)		DATE START 02/10/2005		
SURFACE CONDITIONS Stripped Caprock								DATE FINISHED 02/11/2005				
SAMPLING								LOGGED BY Norm Holst		CHECKED BY		
APPROVED BY												
SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD						
SPT	8	12	14	14	28	1.3'	30				shell fragments and silt	
							32					
							34				SAND; pale greenish gray, medium dense, wet, fine grained, quartzose, subrounded	C03 = 23.3% SAND with Silt
							36					
							38					
SPT	9	10	7	14	21	1.1'	40				SAND; as above but with a trace fine, angular, calcitic gravel	
							42					
							44				SAND; pale greenish gray, loose, wet, very fine grained, quartzose, subrounded, trace silt and shell fragments	
							46					
							48					
SPT	11	21	16	15	31	1.1'	50				SAND; pale greenish gray, dense, wet mostly fine grained, quartzose and subrounded, some medium to coarse grained, angular, and calcitic (shell fragments) trace fine, angular, calcitic gravel	
							52					
							54				Sandy GRAVEL; pale greenish gray, medium dense, wet, angular, calcitic, with similar medium to coarse sand fraction and some fine subrounded quartzose sand, trace silt	SAND with Silt and Gravel
							56					
							58					
SPT	13	6	4	4	8	0.9'	60				Silty SAND; pale greenish gray, loose, wet, mostly medium to coarse grained, angular, platy, and	

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SHEET 3 OF 4

CLIENT South Florida Water Management District					PROJECT EAA Reservoir A-1					PROJECT NO. 140297.0213								
PROJECT LOCATION Everglades, Florida					COORDINATES N 774079.1 E 761396.3					GROUND ELEVATION (DATUM) Not Surveyed								
SURFACE CONDITIONS Stripped Caprock										DATE START 02/10/2005			DATE FINISHED 02/11/2005					
SAMPLING										LOGGED BY Norm Holst					CHECKED BY		APPROVED BY	
SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS						
CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS						
SPT	14	4	50/3		50+	0.1'	60				calcitic (shell fragments), some fine grained quartzose, and subrounded, trace larger shell fragments							
							62											
							64				Probably LIMESTONE	Spoon bouncing. Drill rattling, slow drilling for about 1 ft.						
							66											
							68											
SPT	15	46	29	21	50	0.9'	70				Gravelly SAND; greenish gray, very dense, wet, angular, well graded gravel, particles consist of fine quartzose sand and shell fragments in a calcitic matrix, trace silt							
							72											
SPT	16	14	15	15	30	1.1'	74				Gravelly SAND as above but dense	SAND with Silt and Gravel						
							76											
							78											
SPT	17	12	12	14	26	0.7'	80				SAND; greenish gray, medium dense, wet, well graded, medium to coarse grained, angular, calcitic and fine grained, subrounded, quartzose with trace fine, angular gravel like that above							
							82											
							84				Sandy GRAVEL; pale greenish gray, dense, angular, wet, gravel is cemented fine, quartzose sand and shell fragments, sand fraction consists of fine to coarse shell fragments and fine quartzose sand	Silty SAND with Gravel						
							86											
							88											
SPT	19	14	14	12	26	1.1'	90				SAND; like that at 78.5 ft							

5/18/2005 3:39 PM EAA Reservoir A-1

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CORE SIZE		RUN NUMBER		RUN LENGTH		RUN RECOVERY		RQD RECOVERY		PERCENT RECOVERY		RQD																																																	
SPT		20		20		15		15		30		1.1'		90								SAND; light greenish gray, dense, wet, well graded, fine grained, quartzose, subrounded, and fine to coarse grained, angular, calcitic, some silt and fine angular gravel																																							
SPT		21		17		12		16		28		1.5'		94																																															
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